umber: 09/359,300 A Changed a file from non-ASCII to ASC	Hectes by the SI	1 EDV	erified by:/	(STI
Changed the margins in cases where t	he sequence text w	as "wrapped" o	down to the next	line.
Edited a format error in the Current Ap	plication Data section	on, specifically:		#31
Edited the Current Application Data sea		current number	er. The number	inputted by th
Added the mandatory heading and sub	headings for "Curre	nt Application	Data".	
Edited the "Number of Sequences" field	d. The applicant sp	elled out a nun	nber instead of u	sing an integ
Changed the spelling of a mandatory fi	eld (the headings or	rsubheadings)	, specifically:	
Corrected the SEQ ID NO when obviou	isly incorrect. The s	sequence numl	pers that were ed	dited were:
nserted or corrected a nucleic number	at the end of a nucl	eic line. SEQ	ID NO's edited:	
			appropriate plac	е.
Corrected subheading placement. All rapplicant placed a response below the Inserted colons after headings/subhead	subheading, this wa	s moved to its	appropriate plac	RECE
applicant placed a response below the Inserted colons after headings/subhea	subheading, this wa	as moved to its	appropriate plac	RECE
applicant placed a response below the	subheading, this wa	as moved to its	appropriate plac	RECE
applicant placed a response below the Inserted colons after headings/subhea	subheading, this wadings. Headings ed by an applicant, spec	is moved to its lited included: cifically:	appropriate plac	RECE JUN 0 4 CH CENTER
Inserted colons after headings/subhead Deleted extra, invalid, headings used by Deleted: Deleted: non-ASCII "garbage" at the	subheading, this wandings. Headings ed by an applicant, spec- ne beginning/end of other invalid text,	is moved to its lited included: cifically: files; secionsuch as	appropriate place TE	JUN 0 4 CH CENTER
Deleted: non-ASCII "garbage" at the page numbers throughout text;	subheading, this wandings. Headings ed by an applicant, spec- one beginning/end of other invalid text,	is moved to its lited included: cifically: files; secionsuch as	appropriate place TE	JUN 0 4 CH CENTER
Deleted: non-ASCII "garbage" at the page numbers throughout text;	subheading, this wandings. Headings ed by an applicant, specific beginning/end of other invalid text, ally:	is moved to its lited included: cifically: files; seci	appropriate place TE	JUN 0 4 CH CENTER
Deleted: non-ASCII "garbage" at the page numbers throughout text; Inserted mandatory headings, specific Corrected an obvious error in the resp	subheading, this wandings. Headings ed by an applicant, specific ally: used but lower case equences field, specifically, specifically.	is moved to its lited included: cifically: secretary such as is required, or cifically:	TE retary initials/filer	JUN 0 4 CH CENTER
Deleted: non-ASCII "garbage" at the page numbers throughout text; Inserted mandatory headings, specific Corrected an obvious error in the resp	subheading, this wandings. Headings ed by an applicant, specific ally: used but lower case equences field, specifically.	is moved to its lited included: cifically: sect such as	TE retary initials/filer	RECE JUN 0 4 CH CENTER name at end o
Deleted: non-ASCII "garbage" at the page numbers throughout text; Inserted mandatory headings, specific Corrected an obvious error in the resp	subheading, this wandings. Headings ed by an applicant, specific ally: used but lower case equences field, specific and sequences and a cid sequences and cid sequences	as moved to its lited included: cifically: sector as such as cifically: All occurrence adjusted the "(/	TE retary initials/filer r vice versa. s had to be deleted. A)Length:* field a	RECE JUN 0 4 CH CENTER name at end of

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

RECEIVED

JUN 0 4 2002

TECH CENTER 1600/2900



OIPE

RAW SEQUENCE LISTING DATE: 05/22/2002 PATENT APPLICATION: US/09/359,300A TIME: 17:12:54 Input Set : A:\PTO.AMC.txt Output Set: N:\CRF3\05222002\I359300A.raw 4 <110> APPLICANT: KUMAGAI. Monto H. DELLA-CIOPPA, Guy R. ERWIN, Robert L. McGEE, David R. 9 <120> TITLE OF INVENTION: METHOD OF COMPILING A FUNCTIONAL GENE PROFILE BY TRANSFECTING A NUCLEIC ACID SEQUENCE OF A NON-PLANT DONOR INTO A HOST PLANT IN A POSITIVE SENSE ORIENTATION 11 13 <130> FILE REFERENCE: 008010137US07 15 <140> CURRENT APPLICATION NUMBER: 09/359,300A C--> 16 <141> CURRENT FILING DATE: 2002-04-29 18 <160> NUMBER OF SEQ ID NOS: 71 20 <170> SOFTWARE: FastSEQ for Windows Version 3.0 22 <210> SEQ ID NO: 1 23 <211> LENGTH: 26 24 <212> TYPE: DNA 25 <213> ORGANISM: Tomato mosaic virus 27 <400> SEQUENCE: 1 28 ctcgcaaagt ttcgaaccaa atcctc 26 30 <210> SEQ ID NO: 2 31 <211> LENGTH: 35 32 <212> TYPE: DNA 33 <213> ORGANISM: Tomato mosaic virus 35 <400> SEQUENCE: 2 36 cggggtacct gggccccaac cgggggttcc ggggg 35 38 <210> SEQ ID NO: 3 39 <211> LENGTH: 41 40 <212> TYPE: DNA 41 <213> ORGANISM: Tomato mosaic virus 43 <400> SEQUENCE: 3 44 tcctcgagcc taggctcgca aagtttcgaa ccaaatcctc a 41 46 <210> SEQ ID NO: 4 47 <211> LENGTH: 35 48 <212> TYPE: DNA 49 <213> ORGANISM: Tomato mosaic virus 51 <400> SEQUENCE: 4 52 cggggtacct gggccccaac cgggggttcc ggggg 35 54 <210> SEQ ID NO: 5 55 <211> LENGTH: 24 56 <212> TYPE: DNA 57 <213> ORGANISM: Tomato mosaic virus 59 <400> SEQUENCE: 5 60 tatgtatggt gcagaagaac agat

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24

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/359,300A

DATE: 05/22/2002 TIME: 17:12:54

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\05222002\I359300A.raw

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    98
                                        1
    100 tct cct tgt gac gtc tca aat ggg aca agt ttc atg gaa tca gtc cgg
    101 Ser Pro Cys Asp Val Ser Asn Gly Thr Ser Phe Met Glu Ser Val Arg
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39

RAW SEQUENCE LISTING DATE: 05/22/2002 PATENT APPLICATION: US/09/359,300A TIME: 17:12:54

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147	Met Glu Thr Leu Leu Lys Pro Phe Pro	
148	1 5	
	tot cot tta ott too att cot act cot aac atg tat agt tto aaa cac	99
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152	10 15 20 25	
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Met Ala Ser Ser Val Leu Ser Ser Ala Ala Val 230 1 5 10	
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RAW SEQUENCE LISTING

RAW SEQUENCE LISTING DATE: 05/22/2002 PATENT APPLICATION: US/09/359,300A TIME: 17:12:54

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Output Set: N:\CRF3\05222002\1359300A.raw

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263	rgggtgtttt gggtgttgtt ttcaccggtg aatggctggt accggatttc gttaaaggtg	360
264	gggtaacagt gagcgtgatt gacaaacggc ttgaaaattc cagagagtgc ataattggta	420
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RAW SEQUENCE LISTING ERROR SUMMARY PATENT APPLICATION: US/09/359,300A

DATE: 05/22/2002 TIME: 17:12:55

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\05222002\I359300A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:63; N Pos. 6 Seq#:64; N Pos. 7

Seq#:67; N Pos. 7,10

Seq#:68; N Pos. 7,10,13,16